

D A I L Y

DATE: February 10, 1987

F I E L D

TIME: 1200 to 1540

R E P O R T

PLACE: Cerro Copper Plant Site
Sauget, IL

WEATHER: Clear, Sunny, 50s

DISTRIBUTION:

PROJECT: JOB 10224A
CERRO COPPER
IEPA RI/FS OVERSIGHT

S. Silverstein, Cerro (2 copies)
JBC/LJO/ED 10224-1.3

PERSONNEL ON SITE:

<u>Name</u>	<u>Affiliation</u>	<u>Hrs.</u>
Dave Guyan	Sverdrup	3.5
Tim Maley	Ecology & Environment (E&E)	3.5
Pete Alvey	Ecology & Environment (E&E)	3.5
Robbie Crachity	Fox Drilling	3.5
Henry Colligan	Drillers Union Official	3.5

FIELD WORK SUMMARY:

1. The above listed personnel arrived on site at 1200. The scope of work performed on site was to develop monitor wells installed from the previous two weeks.
2. Personnel prepared for work at location I-1/EE-12 (see Attachment A). T. Maley used a stainless steel tape to measure initial water level. The water level was 10.7' taken from the top of casing. R. Crachity and H. Colligan then prepared an air powered pump to draw water from the well. The pump was constructed of 10' sections of 3/4" PVC pipe. A rubber pressure hose ran inside the PVC pipe and was connected to a 2,500 psi air tank. The water that was drawn from the well was pumped into a 55-gallon drum. This drum will remain on site pending proper disposal procedures by E&E. Monitor Well EE-12 had a total water column of approximately 24.0'. T. Maley said a total of 10 well volumes should be drawn from the well for development purposes. He calculated that approximately 50 gallons would be sufficient for this particular well.

R. Crachity and H. Colligan inserted the pump down the well and began pumping the water. P. Alvey collected a water sample in a quart glass jar and used an HNU photoionization detector to measure any volatile organics in the headspace of the jar. When this was completed the water was poured into the drum.

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When the development was complete, Crachity and Colligan deconned the pump using a solution of TSP-90 as a cleanser and a water rinse.

3. The procedure listed above was followed for the remaining 5 monitor wells. Water level data is listed below for each well.

<u>Monitor Well</u>	<u>Water Level (from top of casing) Feet</u>	<u>Total Water Column (Feet)</u>	<u>Water Drawn From Well (Gallons)</u>
EE-12	10.73	24.0	50
EE-13	11.92	15.0	35
EE-14	13.16	23.0	45
EE-15	7.88	21.0	45
EE-16	10.79	22.0	45
EE-112	10.21	16.0	40

4. Well developing was completed at 1530 and all personnel departed site. D. Guyan went to Metro Field Office to get E&E's schedule for remaining work. D. Sewall said that E&E anticipates taking the background soil sample and developing the two wells on the triangular parcel Monday, February 16.
5. D. Guyan took 15 pictures of field activities.

Attachments

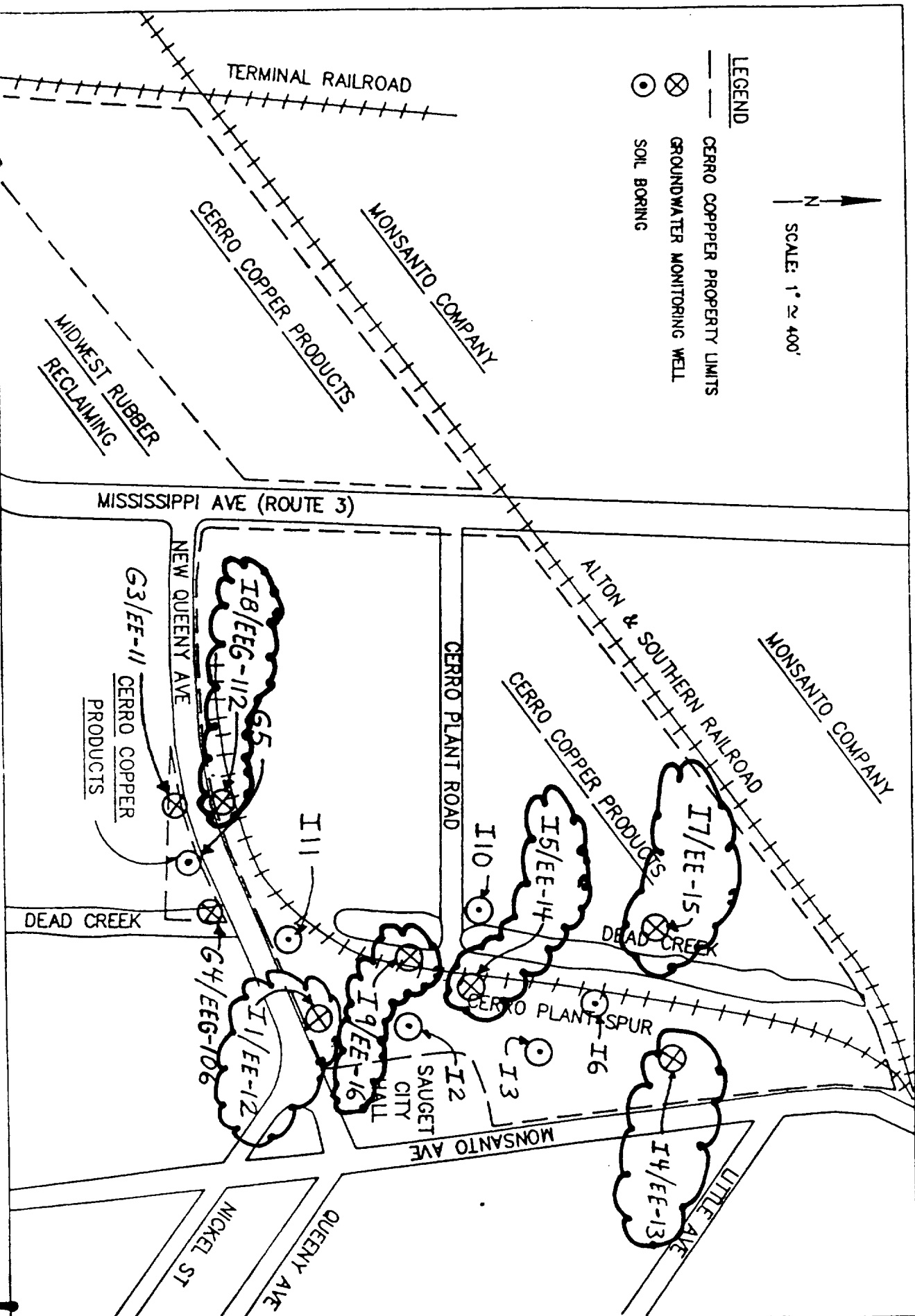

Sverdrup Corporation

N
SCALE: 1" = 400'

LEGEND
 --- CERRO COPPER PROPERTY LIMITS
 ⊗ GROUNDWATER MONITORING WELL
 ○ SOIL BORING

NOTE: NUMBERING LEGEND =
 BORING HOLE ID / WELL ID

SITE MAP AND E & E WORK AREAS



ATTACHMENT A